

CLAIMS

What is Claimed is:

1 1. A system for routing a service call made from a calling line resold to a
2 competitive carrier, the system comprising:
3 a switch coupled to the resold line, the switch being operative to route the
4 service call to a service switching point;
5 a service switching point having a trigger provisioned thereon to cause the
6 switching point to launch a query to a service control point upon receiving the call
7 from the switch; and
8 a service control point operative to receive the query from the service
9 switching point and to provide routing instructions to the service switching point based
10 upon resold line routing information stored in at least one database coupled to the
11 service control point, the routing information identifying a location specified by the
12 carrier for handling the service call.

1 2. The system for routing a service call, as recited in Claim 1, wherein the
2 switch is an AIN-capable service switching point.

1 3. The system for routing a service call, as recited in Claim 1, further
2 comprising a line class code table stored in the switch, the line class code database
3 storing a line class code corresponding to a class of service of the resold line and
4 information specifying that calls be routed to the service switching point.

1 4. The system for routing a service call, as recited in Claim 3, wherein the
2 switch accesses the line class code database to route the call to the service switching
3 point.

1 5. The system for routing a service call, as recited in Claim 1, wherein the
2 query includes a directory number of the calling line and a called party number.

1 6. The system for routing a service call, as recited in Claim 1, wherein the
2 trigger is an off-hook delayed trigger.

1 7. The system for routing a service call, as recited in Claim 1, wherein the
2 resold line routing information stored in the at least one database further comprises:
3 an identifier for the directory number of the resold calling line; and
4 an identifier for the competitive carrier.

1 8. The system for routing a service call, wherein the resold line routing
2 information includes routing information specifying the location for handling the
3 service call.

1 9. In an intelligent network, a system for routing a service call made from a
2 calling line resold to a competitive carrier, the system comprising:
3 a first network element ^{SSR} operative to route the service call to a second network ^{SSR}
4 element;
5 a second network element ^{SSR} operative to cause the second network element to
6 launch a query to a third network element ^{SSR} upon receiving the call from the first ^{switch}
7 network element; and
8 the third network element ^{SSR} operative to receive the query from the second ^{SSR}
9 network element and to provide routing instructions to the second network element ^{SSR}
10 based upon resold line routing information stored in a storage device coupled to the
11 third network element, the routing information identifying a location specified by the
12 competitive carrier for handling the service call;
13 in response to receiving the routing instructions from the third network
14 element, the second network element ^{SSR} being further operative to route the call to the
15 location for handling the service call.

1 10. The system for routing a service call, as recited in Claim 9, wherein the
2 first network element is a switch.

1 11. The system for routing a service call, as recited in Claim 9, wherein the
2 first network element is a service switching point.

1 12. The system for routing a service call, as recited in Claim 9, wherein the
2 second network element is a service switching point.

1 13. The system for routing a service call, as recited in Claim 9, wherein the
2 third network element is a service control point.

1 14. The system for routing a service call, as recited in Claim 9, wherein the
2 second network element is provisioned with a trigger to cause the second network
3 element to launch the query.

1 15. The system for routing a service call, as recited in Claim 9, wherein the
2 resold line routing information stored in the storage device further comprises:
3 an identifier for the directory number of the calling line; and
4 an identifier for the service provider.

1 16. The system for routing a service call, as recited in Claim 15, wherein the
2 resold line routing information includes a routing index specifying the location for
3 handling the service call.

1 17. The system for routing a service call, as recited in Claim 9, further
2 comprising a line class code table stored in the switch, the line class code table storing
3 a line class code corresponding to a class of service of the line and information
4 specifying that calls be routed to the service switching point.

18. A method for routing a service call made from a calling line resold to a service provider, the method comprising the steps of:

- routing the service call to a switch;
- routing the service call from the switch to a service switching point;
- transmitting a query from the service switching point to a service control point to determine a location specified by the competitive carrier for handling the service call, the query including a directory number of the resold calling line and a called number;
- accessing a database containing an identifier for the service provider and an identifier for the location for handling the service call; and
- transmitting the identifier for the location to the service switching point; and
- routing the call from the service switching point to the location for handling the service call.

19. The method for routing a service call, as recited in Claim 18, further comprising the steps of:

accessing a table containing a line class code for the calling line and an identifier for the location of a trunk group coupled to the service switching point; and

routing the call to the trunk group based upon the identifier for the location of the trunk group.

20. The method for routing a service call, as recited in Claim 18, further comprising the step of encountering a trigger at the service switching point, thereby causing the service switching point to launch the query.

21. The method for routing a service call, as recited in Claim 20, wherein the trigger is an off-hook delayed trigger.